Mark E Ziffer

List of Publications by Year
in descending order

17 papers	3,779 citations	623734 14 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	6835 citing authors

#	Article	IF	Citations
1	Solvated Electrons in Solidsâ€"Ferroelectric Large Polarons in Lead Halide Perovskites. Journal of the American Chemical Society, 2021, 143, 5-16.	13.7	44
2	Bismuth Doping Alters Structural Phase Transitions in Methylammonium Lead Tribromide Single Crystals. Journal of Physical Chemistry Letters, 2021, 12, 2749-2755.	4.6	14
3	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. Nature Electronics, 2021, 4, 731-739.	26.0	41
4	Ultrafast Ferroelectric Ordering on the Surface of a Topological Semimetal MoTe₂. Nano Letters, 2021, 21, 9903-9908.	9.1	4
5	Direct Determination of Band-Gap Renormalization in the Photoexcited Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review Letters, 2019, 122, 246803.	7.8	92
6	Hybrid perovskite films approaching the radiative limit with over 90% photoluminescence quantum efficiency. Nature Photonics, 2018, 12, 355-361.	31.4	408
7	Tuning H- and J-Aggregate Behavior in Ï€-Conjugated Polymers via Noncovalent Interactions. Journal of Physical Chemistry C, 2018, 122, 18860-18869.	3.1	31
8	Long-Lived, Non-Geminate, Radiative Recombination of Photogenerated Charges in a Polymer/Small-Molecule Acceptor Photovoltaic Blend. Journal of the American Chemical Society, 2018, 140, 9996-10008.	13.7	73
9	Realization of a Highly Oriented MAPbBr₃ Perovskite Thin Film via Ion Exchange for Ultrahigh Color Purity Green Light Emission. ACS Energy Letters, 2018, 3, 1662-1669.	17.4	38
10	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemicalÂtransistors. Nature Materials, 2017, 16, 737-742.	27.5	143
11	Tracking Photoexcited Carriers in Hybrid Perovskite Semiconductors: Trap-Dominated Spatial Heterogeneity and Diffusion. ACS Nano, 2017, 11, 11488-11496.	14.6	105
12	The Potential of Multijunction Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 2506-2513.	17.4	272
13	How hybrid perovskites get their groove. Science, 2016, 353, 1365-1365.	12.6	6
14	Photoluminescence Lifetimes Exceeding 8 Î¼s and Quantum Yields Exceeding 30% in Hybrid Perovskite Thin Films by Ligand Passivation. ACS Energy Letters, 2016, 1, 438-444.	17.4	452
15	Electroabsorption Spectroscopy Measurements of the Exciton Binding Energy, Electronâ€"Hole Reduced Effective Mass, and Band Gap in the Perovskite CH₃NH₃PbI₃. ACS Photonics, 2016, 3, 1060-1068.	6.6	116
16	Zr Incorporation into TiO₂ Electrodes Reduces Hysteresis and Improves Performance in Hybrid Perovskite Solar Cells while Increasing Carrier Lifetimes. Journal of Physical Chemistry Letters, 2015, 6, 669-675.	4.6	106
17	Impact of microstructure on local carrier lifetime in perovskite solar cells. Science, 2015, 348, 683-686.	12.6	1,833